

basal teeth are almost absent, mere slight traces appearing in the same positions as those of typical P. tridentata. The parietal tooth is smaller and sharper.

This form has only been found in south-central Kentucky. Exceptionally small specimens (diam. 17 mm.) have been found in Casey County, but aside from their size they are quite typical.

5. POLYGYRA TRIDENTATA EDENTILABRIS Pils. Pl. 1, fig. 5. Cumberland Mts., Tenn. Paratype. Diam. 12 mm.

Polygyra tridentata edentilabris Pilbry 1894, Nautilus, 7, p. 140. (Cumberland Mts., Tennessee.)

The shell resembles that of *P. tridentata*. It is small (diam. 12 mm.) and is shaped exactly like small specimens of *tridentata*. It differs in the entire absence of the marginal and basal teeth. It is yellow horn colored, with a whitish peristome.

This apparently rare form comes from the Cumberland Mountains, Cumberland plateau region, central Tennessee. It is a remarkable form, contrasting with *P. tridentata tennesseensis* of the surrounding country. This species contrasts also with *P. tridentata complanata* in its small size and rugose appearance. Both forms are virtually toothless, but this does not necessarily indicate a close relationship. The figured specimen is a paratype sent by Dr. Pilbry for examination.

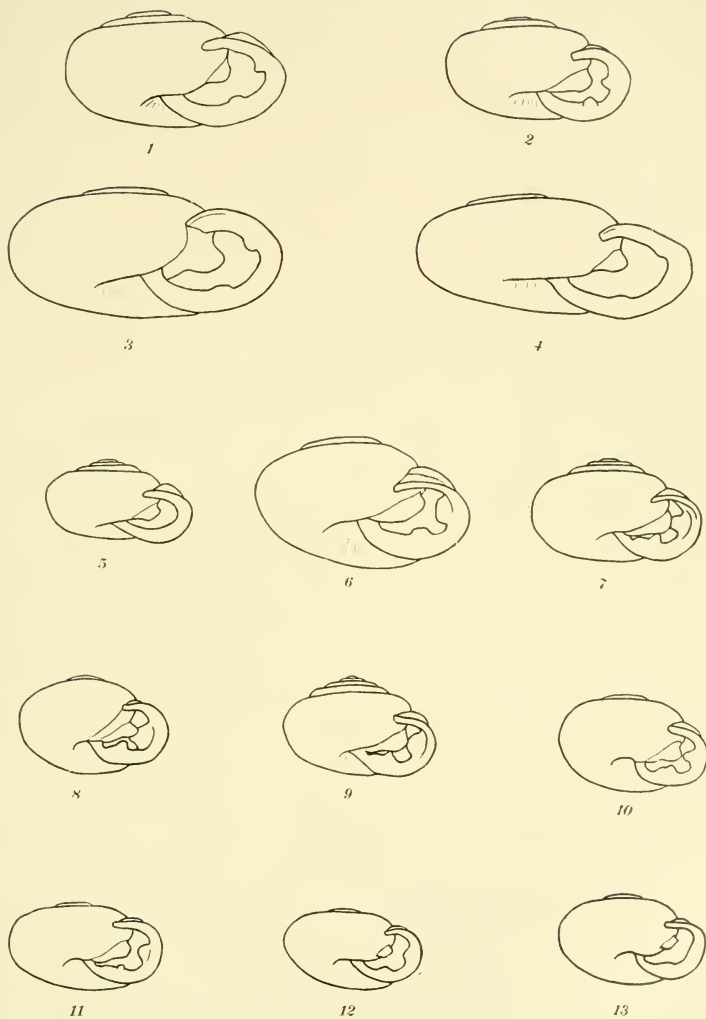
(To be continued)

NOTES ON THE LIFE HISTORY OF PLEUROCERA CANALICULATUM UNDULATUM SAY

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For the past two years the writer has been making some anatomical studies on the fresh-water gastropod, *Pleurocera canaliculatum undulatum* Say, during which time numerous collections have been made from one vicinity. All the animals studied have been taken from the Licking River at or near the town of Butler, Kentucky. Although no regular population samples have been taken for life history work certain facts have



1. *Polygyra tridentata* Say. 2. *P. t. juxtidentens* Pils. 3. *P. t. tennesseensis* W. & P. 4. *P. t. complanata* Pils. 5. *P. t. edentilabris* Pils. 6. *P. fraudulenta* Pils. 7. *P. fallax* Say. 8. *P. f. goniosoma* Pils. 9. *P. vannostrandi* Bland. 10. *P. v. alabamensis* Pils. 11. *P. hopetonensis* Shutt. 12. *P. h. charlestonensis* Maz. 13. *P. h. obsoleta* Pils.

